

FROM :

FAX NO. :

Sep. 02 2004 11:55PM P7

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09/493,662

Amendment to the Claims:

Cancel without prejudice all the claims (Claims 1-16) now pending, and substitute therefor the following new Claims 17 - 20:

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--Claims 1-16 (canceled)

17. (New) In an OFDM-based receiver, a channel sounder comprising:

A. means for extracting pilot signals contained in the OFDM received signal;

B. means for analyzing the pilot signals in the frequency domain and for issuing signals indicative of a distortion in each pilot signal, wherein each of said pilot distortion signals comprises both an amplitude and a phase component; and

C. means for analyzing the signals indicative of a distortion in each pilot signal and for computing therefrom corrective signals for correcting distortions in the received signal, further including means for computing an average distortion of two adjacent pilots and for using that average to correct the information between these pilots.

18. (New) In an OFDM-based receiver, a channel sounder comprising:

A. means for extracting pilot signals contained in the OFDM received signal;

B. means for analyzing the pilot signals in the frequency domain and for issuing signals indicative of a distortion in each pilot signal, wherein each of said pilot distortion signals comprises both an amplitude and a phase component; and

C. means for analyzing the signals indicative of a distortion in each pilot signal and for computing therefrom corrective signals for correcting distortions in the received signal, further including means for computing, for each frequency between two adjacent pilots, an interpolated value of the distortion, and for using that interpolated value to correct the information at that frequency.

19. (New) The channel sounder according to claim 18, wherein the interpolation is performed in the time domain or the frequency domain.

20. (New) The channel sounder according to claim 18, wherein the interpolation is performed using a low pass filter or a FIR or convolver.--

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, DC 20503
www.uspto.gov

Paper No.

Notice of Non-Compliant Amendment (37 CFR 1.121)

The amendment document filed on 6-15-04 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121, as amended on June 30, 2003 (see 68 Fed. Reg. 38611, Jun. 30, 2003). In order for the amendment document to be compliant, correction of the following omission(s) or provision is required. Only the section (1.121(h)) of the amendment document containing the omission or non-compliant provision must be resubmitted (in its entirety), e.g., the entire "Amendments to the claims" section of applicant's amendment document must be re-submitted.

THE FOLLOWING CHECKED (X) ELEMENT(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

- ☒ 1. Amendments to the specification:
- ☐ A. Amended paragraph(s) do not include markings.
 - ☐ B. New paragraph(s) should not be underlined.
 - ☒ C. Other: Should be on a separate page
- ☒ 2. Abstract:
- ☒ A. Not presented on a separate sheet. 37 CFR 1.72.
 - ☐ B. Other: _____
- ☐ 3. Amendments to the drawings: _____
- ☒ 4. Amendments to the claims:
- ☐ A. A complete listing of all of the claims is not present.
 - ☐ B. The listing of claims does not include the text of all claims (incl. withdrawn claims)
 - ☒ C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified.
 - ☐ D. The claims of this amendment paper have not been presented in ascending numerical order.
 - ☐ E. Other: _____

For further explanation of the amendment format required by 37 CFR 1.121, see MPEP Sec. 714 and the USPTO website at <http://www.uspto.gov/web/offices/pac/dapp/opla/procnotice/officeflver.pdf>.

If the non-compliant amendment is a PRELIMINARY AMENDMENT, applicant is given ONE MONTH from the mail date of this letter to supply the corrected section which complies with 37 CFR 1.121. Failure to comply with 37 CFR 1.121 will result in non-entry of the preliminary amendment and examination on the merits will commence without consideration of the proposed changes in the preliminary amendment(s). This notice is not an action under 35 U.S.C. 132, and this ONE MONTH time limit is not extendable.

If the non-compliant amendment is a reply to a NON-FINAL OFFICE ACTION, and since the amendment appears to be a bona fide attempt to be a reply (37 CFR 1.135(e)), applicant is given a TIME PERIOD of ONE MONTH from the mailing of this notice within which to re-submit the corrected section which complies with 37 CFR 1.121 in order to avoid abandonment. EXTENSION OF THIS TIME PERIOD ARE AVAILABLE UNDER 37 CFR 1.136(a).

If the amendment is a reply to a FINAL REJECTION, this form may be an attachment to an Advisory Action. The period for response to a final rejection continues to run from the date set in the final rejection, and is not affected by the non-compliant status of the amendment.

Marcel Gordon
Legal Instruments Examiner (LIE)

703 305-4540

July 22, 2003 (rev.)



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ZION HADAD
48 HAALMOGIM STREET
RISHON LIZION
ISRAEL

Paper No. 9

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AUG 02 2004

OFFICE OF PETITIONS

In re Application of
Zion Hadad
Application No. 09/493,662
Filed: January 28, 2000
For: OFDM COMMUNICATION CHANNEL

DECISION GRANTING PETITION
UNDER 37 CFR 1.137(b)

This is a decision on the petition under 37 CFR 1.137(b), filed June 15, 2004, to revive the above-identified application.

The petition is GRANTED.

The above-identified application became abandoned for failure to reply in a timely manner to the nonfinal Office action mailed March 13, 2003, which set a shortened statutory period for reply of three (3) months. No extensions of time under the provisions of 37 CFR 1.136(a) were obtained. Accordingly, the above-identified application became abandoned on June 14, 2004.

The petition satisfies the conditions for revival pursuant to the provisions of 37 CFR 1.137(b) in that (1) a reply to the Office action of March 13, 2003; (2) the petition fee; and (3) the required statement of unintentional delay have been received. Accordingly, the reply to the nonfinal Office action of March 13, 2003 is accepted as having been unintentionally delayed.

Telephone inquiries concerning this decision should be directed to the undersigned at (703) 305-8680.

The application file is being forwarded to Technology Center AU 2665 for appropriate action on the reply received June 15, 2004.

Frances Hicks
Frances Hicks
Petitions Examiner
Office of Petitions
Office of the Deputy Commissioner
for Patent Examination Policy